

SECRET 032128Z CITE 0265

PRIORITY

4 APR 1967

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1. MISSION GT 67-46 WAS A TEST MISSION FLOWN ON 9 FEBRUARY 1967 EMPLOYING THE T-35 TRACKER CAMERA (NO. S-213) IN THE U-2 A/C. TYPE 3404 FILM WAS USED IN CONJUNCTION WITH A 0.075 INCH SLIT AND A LENS SETTING OF F/3.8. THE MISSION WAS FLOWN OVER

A. THE BASIC EXPOSURE APPEARS TO HAVE BEEN ADEQUATE; THE DENSITY OF THE NEGATIVES INDICATE MATERIAL APPEARS TO HAVE BEEN OVER DEVELOPED.

B. THE INTERVAL OF EXPOSURE (30 SEC.) WAS CONSTANT THROUGHOUT THE MISSION AND THE FORWARD OVERLAP IS APPROXIMATELY 57 PER CENT.

C. THE MATERIAL WAS NOT DEGRADED BY THE WINDOW FOGGING THAT WAS PREVELANT ON EARLIER MISSIONS.

D. THE EDGES OF THE FORMAT (FORWARD AND AFT) ARE NOT CRITICALLY SHARP. APPROXIMATELY 0.15" ON EITHER SIDE IS OUT OF FOCUS; ON EARLIER MISSIONS THIS OUT-OF-FOCUS AREA EXTENDED 0.25 TO 0.30 INTO THE FORMAT.

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E. THE MECHANICAL FRAME COUNTER AND CLOCK OPERATED PROPERLY AND ARE ADEQUATELY RECORDED ON ALL FRAMES.

F. THE IMAGERY PROVIDES 25 TO 30 FEET OF GROUND RESOLUTION OVER THE (FRAMES 431-434) WHERE THE ALTITUDE IS K PLUS 20. LESS THAN OPTIMUM PROCESSING CAUSED GRAIN CLUMPING AND HIGHER DENSITIES THAN ARE NORMAL FOR THIS SCALE OF PHOTOGRAPHY. THE LOW ALTITUDE IMAGERY ACQUIRED DURING ASCENT AND DESCENT PORTION OF THE MISSION ARE EXCEPTIONALLY GOOD. NO SMEAR WAS DETECTED AT 15X MAGNIFICATION.

G. CLOUDS OBSCURE APPROXIMATELY 65 PER CENT OF THE MISSION.

S E C R E T

-END OF MESSAGE-

25X